ALPHA VAC

阿尔法真空

Components & Accessories

The small parts that make a gripster system reliable: filters that keep grit out, check valves that hold grip if air drops, switches that confirm the pick, and adapters that let any gripper meet any port.

56 order codes · 5 families

Components & Accessories

FILTRA

Inline vacuum filter, keeps dust out of generators and valves

GATE

Vacuum check valve, holds grip if supply drops

SENSA

Digital vacuum switch, verify grip before every move

FLEXOR

Standalone spring compensator, add stroke to any cup mount

LINK

Thread adapters, connect any cup to any port

FILTRA FLT

INLINE VACUUM FILTER, KEEPS DUST OUT OF GENERATORS AND VALVES, INLINE FILTER

An inline filter that keeps dust and grit out of the generator and the gripster, protecting the whole vacuum line.

APPLICATIONS

protect generators, dusty environments, porous material lines

5 to 50
FILTRATION, MM

4
PORT SIZES

Range and specifications (16 order codes)

Order code	Port thread	Filtration	Bowl
AV-FLT-G18-5U	G1/8	5 µm	Clear polycarbonate
AV-FLT-G18-10U	G1/8	10 µm	Clear polycarbonate
AV-FLT-G18-25U	G1/8	25 µm	Clear polycarbonate
AV-FLT-G18-50U	G1/8	50 µm	Clear polycarbonate
AV-FLT-G14-5U	G1/4	5 µm	Clear polycarbonate
AV-FLT-G14-10U	G1/4	10 µm	Clear polycarbonate
AV-FLT-G14-25U	G1/4	25 µm	Clear polycarbonate
AV-FLT-G14-50U	G1/4	50 µm	Clear polycarbonate
AV-FLT-G38-5U	G3/8	5 µm	Clear polycarbonate
AV-FLT-G38-10U	G3/8	10 µm	Clear polycarbonate
AV-FLT-G38-25U	G3/8	25 µm	Clear polycarbonate
AV-FLT-G38-50U	G3/8	50 µm	Clear polycarbonate
AV-FLT-G12-5U	G1/2	5 µm	Clear polycarbonate
AV-FLT-G12-10U	G1/2	10 µm	Clear polycarbonate
AV-FLT-G12-25U	G1/2	25 µm	Clear polycarbonate
AV-FLT-G12-50U	G1/2	50 µm	Clear polycarbonate

GATE GTE

VACUUM CHECK VALVE, HOLDS GRIP IF SUPPLY DROPS, CHECK VALVE

A check valve that holds a gripster's grip if the supply pressure dips, a simple part that makes a lift fail safe.

APPLICATIONS

fail-safe holding, multi-zone isolation, energy saving

0.02 to 0.1
CRACKING, BAR

3
PORT SIZES

Range and specifications (9 order codes)

Order code	Port thread	Cracking pressure	Direction
AV-GTE-G18-002	G1/8	0.02 bar / 0.3 psi	One way
AV-GTE-G18-005	G1/8	0.05 bar / 0.7 psi	One way
AV-GTE-G18-01	G1/8	0.1 bar / 1.5 psi	One way
AV-GTE-G14-002	G1/4	0.02 bar / 0.3 psi	One way
AV-GTE-G14-005	G1/4	0.05 bar / 0.7 psi	One way
AV-GTE-G14-01	G1/4	0.1 bar / 1.5 psi	One way
AV-GTE-G38-002	G3/8	0.02 bar / 0.3 psi	One way
AV-GTE-G38-005	G3/8	0.05 bar / 0.7 psi	One way
AV-GTE-G38-01	G3/8	0.1 bar / 1.5 psi	One way

SENSA SNS

DIGITAL VACUUM SWITCH, VERIFY GRIP BEFORE EVERY MOVE, VACUUM SWITCH

A digital vacuum switch that confirms a gripster has truly gripped before the robot moves, and alarms on a leak.

APPLICATIONS

grip confirmation, closed-loop control, leak alarms

−100 to 0	3	2
RANGE, KPA	OUTPUT TYPES	PORT SIZES

Range and specifications (6 order codes)

Order code	Port thread	Output	Range	Supply
AV-SNS-G18-PNP	G1/8	PNP	−100 to 0 kPa	12 to 24 V DC
AV-SNS-G18-NPN	G1/8	NPN	−100 to 0 kPa	12 to 24 V DC
AV-SNS-G18-Analog	G1/8	Analog	−100 to 0 kPa	12 to 24 V DC
AV-SNS-G14-PNP	G1/4	PNP	−100 to 0 kPa	12 to 24 V DC
AV-SNS-G14-NPN	G1/4	NPN	−100 to 0 kPa	12 to 24 V DC
AV-SNS-G14-Analog	G1/4	Analog	−100 to 0 kPa	12 to 24 V DC

FLEXOR FLX

STANDALONE SPRING COMPENSATOR, ADD STROKE TO ANY CUP MOUNT, LEVEL COMPENSATOR

A standalone spring compensator that adds soft touchdown and stroke to any gripper mount.

APPLICATIONS

retrofit compensation, height variation, gentle contact

10 to 50
STROKE, MM

3
THREADS

Range and specifications (12 order codes)

Order code	Thread	Stroke	Spring
AV-FLX-M05-S10	M5	10 mm / 0.394 in	Stainless
AV-FLX-M05-S20	M5	20 mm / 0.787 in	Stainless
AV-FLX-M05-S30	M5	30 mm / 1.181 in	Stainless
AV-FLX-M05-S50	M5	50 mm / 1.969 in	Stainless
AV-FLX-G18-S10	G1/8	10 mm / 0.394 in	Stainless
AV-FLX-G18-S20	G1/8	20 mm / 0.787 in	Stainless
AV-FLX-G18-S30	G1/8	30 mm / 1.181 in	Stainless
AV-FLX-G18-S50	G1/8	50 mm / 1.969 in	Stainless
AV-FLX-G14-S10	G1/4	10 mm / 0.394 in	Stainless
AV-FLX-G14-S20	G1/4	20 mm / 0.787 in	Stainless
AV-FLX-G14-S30	G1/4	30 mm / 1.181 in	Stainless
AV-FLX-G14-S50	G1/4	50 mm / 1.969 in	Stainless

LINK LNK

THREAD ADAPTERS, CONNECT ANY CUP TO ANY PORT, ADAPTER FITTING

Thread adapters that let any gripster meet any port, so mixed thread systems plumb together without special parts.

APPLICATIONS

mixed thread systems, retrofits, manifold plumbing

13

ADAPTER COMBINATIONS

Range and specifications (13 order codes)

Order code	Male thread	Female thread	Body
AV-LNK-M05-G18	M5	G1/8	Hex stainless steel
AV-LNK-M05-G14	M5	G1/4	Hex stainless steel
AV-LNK-M05-G38	M5	G3/8	Hex stainless steel
AV-LNK-M05-G12	M5	G1/2	Hex stainless steel
AV-LNK-G18-G14	G1/8	G1/4	Hex stainless steel
AV-LNK-G18-G38	G1/8	G3/8	Hex stainless steel
AV-LNK-G18-G12	G1/8	G1/2	Hex stainless steel
AV-LNK-G14-G18	G1/4	G1/8	Hex stainless steel
AV-LNK-G14-G38	G1/4	G3/8	Hex stainless steel
AV-LNK-G14-G12	G1/4	G1/2	Hex stainless steel
AV-LNK-G38-G18	G3/8	G1/8	Hex stainless steel
AV-LNK-G38-G14	G3/8	G1/4	Hex stainless steel
AV-LNK-G38-G12	G3/8	G1/2	Hex stainless steel